



## Research on Design, Development and Manufacturing of Polymer Electrolyte Fuel Cells (PEFC) Stack, for a Sustainable Energy Transition

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### Message from the Guest Editors

This Special Issue aims to offer the most research advances and the general principles on designing, developing and manufacturing of a fuel cell stack. In particular, it focuses on the behavior of fuel cell stacks in real or near-real application situations (performance under varying loads, failures, vibration analysis, in operando stress and thermal analysis), numerical simulation for the design of bipolar plates, internal distribution of reagents, mechanical problems of the device, system integration, problems of reliability and duration, safety, cooling, optimization of dimensions and weight, architectural solutions, and research on problems relating to the processing and use of materials (innovative and traditional). In conclusion, it will contribute to enriching the background in the field related to stack engineering research, to allow its perfect, safe and reliable operation.

Deadline for manuscript  
submissions:

**closed (30 April 2022)**





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